

Sri indu college of engineering and technology







01 | Introduction

O2 Project overview

O3 Aurdino UNO and it's Role

Hardware components

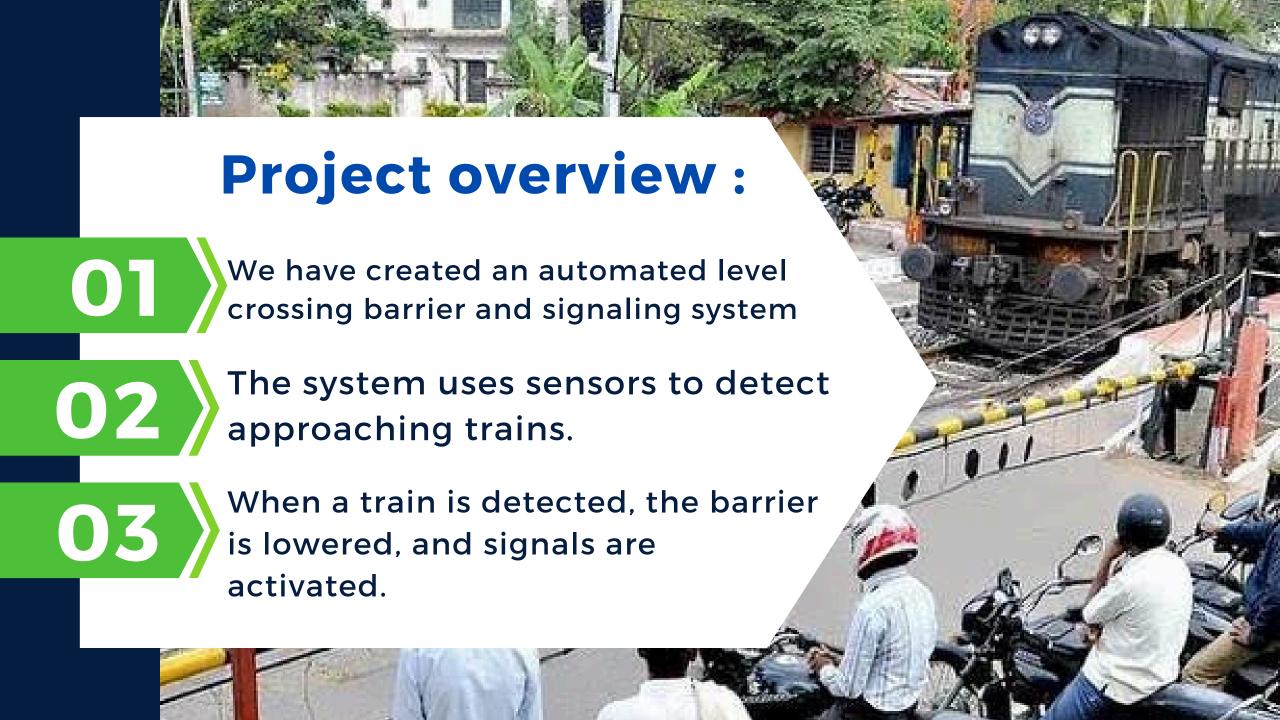
05 Conclusion

04

Introduction:

- Railway accidents are a significant problem
- Effective signaling systems can help prevent accidents.
- My project aims to improve railway safety through innovative signaling.

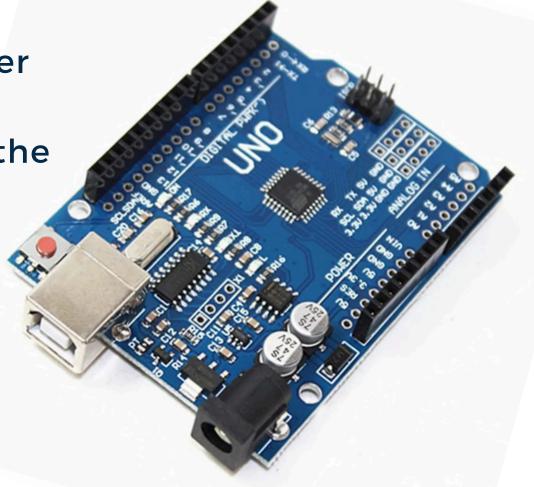






The Arduino UNO is the microcontroller at the heart of the system.

It processes sensor data and controls the barrier and signals.



Hardware components:

The system uses various hardware components, including: Sensors (e.g., IR sensors)

Actuators (e.g., micro servo motor for the barrier)

Arduino UNO

RESET ICSP2

WIND ON ARDUINO

ARDUINO

Servo Motor

Servo Motor

Jumping wires

Conclusion:

- My project has the potential to significantly improve railway safety.
- The automated level crossing barrier and signaling system can prevent accidents and reduce fatalities.
- I believe this innovation can contribute to a safer and more efficient railway system.

